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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner

: Not yet assigned

Group Art Unit

: 1632

Applicants

Stephen M. Strittmatter et al.

Application No.

10/735,256

Confirmation No.:

9794

Filed

: December 12, 2003

For

A1 ADENOSINE RECEPTOR ANTAGONISTS

New York, New York November 10, 2004

Hon. Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure Statement in the aboveidentified application. This Statement is submitted:

[] within three months of the application filing date;

[X] more than three months from the application filing date but before the mailing date of the first Office Action on the merits.

Appl. No. 10/735,256 IDS dated November 12, 2004

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

James F. Haley, Jr. (Reg. No. 27,794) Karen Mangasarian (Reg. No. 43,772)

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants make of record the following documents, also listed in the accompanying Form PTO-1449, copies of which are submitted herewith.

UNITED STATES PATENT DOCUMENTS

Schwab, et al., United States Patent 5,250,414 — issued Oct. 5, 1993

Schwab, et al., United States Patent 5,684,133 — issued Nov. 4, 1997

Bandman, et al., United States Patent 5,858,708 — issued Jan. 12, 1999

Schwab, et al., United States Patent 6,025,333 — issued Feb. 15, 2000

Khadadoust, United States Patent App'n 2002/0025554 — published Feb. 28, 2002

FOREIGN PATENT DOCUMENTS

PCT Publication WO 98/06841 — published Feb. 19, 1998

PCT Publication WO 99/46281 — published Sept. 16, 1999

PCT Publication WO 99/66041 — published Dec. 23, 1999

PCT Publication WO 00/05364 — published Feb. 3, 2000

PCT Publication WO 00/31235 — published June 2, 2000

PCT Publication WO 00/32221 — published June 8, 2000

PCT Publication WO 00/37638 — published June 29, 2000

PCT Publication WO 00/53756 — published Sept. 14, 2000

PCT Publication WO 00/53758 — published Sept. 14, 2000

PCT Publication WO 00/58473 — published Oct. 5, 2000

PCT Publication WO 00/70050 — published Nov. 23, 2000

PCT Publication WO 00/73452 — published Dec. 7, 2000

PCT Publication WO 01/09162 — published Feb. 8, 2001

PCT Publication WO 01/51520 — published July 19, 2001

PCT Publication WO 03/018631 — published March 6, 2003

OTHER DOCUMENTS

PC C.E. Bandtlow, et al., "NI-35/250/Nogo-A: A Neurite Growth Inhibitor Restricting Structural Plasticity and Regeneration of Nerve Fibers in the Adult Vertebrate CNS," Glia, 29(2), pp. 175-181 (2000).

M.S. Chen, et al., "Nogo-A is a Myelin-Associated Neurite Outgrowth Inhibitor and an Antigen for Monoclonal Antibody IN-1," <u>Nature</u>, 403(6768), pp. 434-439 (2000).

A.E. Fournier, et al., "Identification of a Receptor Mediating Nogo-66 Inhibition of Axonal Regeneration," Nature, 409(6818), pp. 341-346 (2001).

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- D. Merkler, et al., "Locomotor Recovery in Spinal Cord-Injured Rats Treated with an Antibody Neutralizing the Myelin-Associated Neurite Growth Inhibitor Nogo-A," <u>J.</u> Neurosci., 21(10), pp. 3665-3673 (2001).
- M. Oudega, et al., "Neutralizing Antibodies Against Neurite Growth Inhibitor NI-35/250 Do Not Promote Regeneration of Sensory Axons in the Adult Rat Spinal Cord," Neuroscience, 100(4), pp. 873-883 (2000).
- R. Prinjha, et al., "Inhibitor of Neurite Outgrowth in Humans," Nature, 403(6768), pp. 383-384 (2000).
- O. Raineteau, et al., "Sprouting and Regeneration After Pyramidotomy and Blockade of the Myelin-Associated Neurite Growth Inhibitors N1 35/250 in Adult Rats," <u>Eur. J. Neurosci.</u>, 11(4), pp. 1486-1490 (1999).
- O. Raineteau, et al., "Functional Switch Between Motor Tracts in the Presence of the mAB IN-1 in the Adult Rat," <u>Proc. Natl. Acad. Sci. U.S.A.</u>, 98(12), pp. 6929-6934 (2001).
- A.A. Spillmann, et al., "Identification and Characterization of a Bovine Neurite Growth Inhibitor (bNI-220)," <u>J. Biol. Chem.</u>, 273(30), pp. 19283-19293 (1998).
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- M. Thallmair, et al., "Neurite Growth Inhibitors Restrict Plasticity and Functional Recovery Following Corticospinal Tract Lesions," <u>Nat. Neurosci.</u>, 1(2), pp. 124-131(1998).

W.J. Z'Graggen, et al., "Functional Recovery and Enhanced Corticofugal Plasticity After Unilateral Pyramidal Tract Lesion and Blockade of Myelin-Associated Neurite Growth Inhibitors in Adult Rats," J. Neurosci., 18(12), pp. 4744-4757 (1998).

Pignot et al. "Characterization of two novel proteins, NgRH1 and NgRH2, structurally and biochemically homologous to the Nogo-66 receptor." J. Biochem. 85(3): 717-728 (2003).

Kobe and Kajava "The leucine-rich repeat as a protein recognition motif," <u>Curr. Opin.</u> <u>Structural Biol.</u> 11(6): 725-32 (2001).

Andrade et al. "Protein Repeats: Structures, Functions, and Evolution," <u>J. Structural Biol.</u> 134: 117-131 (2001).

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Li et al. "The Genetic Defect in Two Well-Studied Cases of Bernard-Soulier Syndrome: A Point Mutation in the Fifth Leucine-Rich Repeat of Platelet Glycoprotein Iba," <u>Blood</u> 86(10): 3805-3814 (1995).

Appl. No. 10/735,256 IDS dated November 12, 2004

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Hunt et al. "Nogo Receptor mRNA Expression in Intact and Regenerating CNS Neurons," Molec. Cellular Neurosci. 20(4): 537-552 (2002).

Wells "Additivity of Mutational Effects in Proteins," Biochemistry 29:8509-8517 (1990).

Ngo et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," in The Protein Folding Problem and Tertiary Structure Prediction, pp. 492-495 (1994).

Applicants request that these documents be (1) fully considered by the Examiner during the examination of this application; and (2) printed on any patent that may issue from this application. Applicants also request that a copy of Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

Respectfully submitted,

I hereby certify that this Correspondence is being deposited with the U.S.

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Alexandria, VA 22313-1450 on

Lillian Garcia

Signature of Person Signing

James F. Haley, Jr. (Reg. No. 27,794) Karen Mangasarian (Reg. No. 43,772)

Attorneys for Applicants

Grant Kalinowski (Reg. No. 48,314)

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FORM PTO-1449

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTY. DOCKET NO. A116 CON SERIAL NO. 10/735,256

APPLICANT

Stephen M. Strittmatter et al. (Conf. No. 9794)

FILING DATE December 12, 2003 GROUP 1632

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,250,414	10/05/93	Schwab et al.	435	7.72	
	5,684,133	11/04/97	Schwab et al.	530	350	
	5,858,708	01/12/99	Bandman et al.	435	69.1	
	6,025,333	02/15/00	Schwab et al.	514	18	
	2002/0025554 A1	02/28/02	Khodadoust	435	69.1	

FOREIGN PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL						YES	NO
	WO 98/06841	02/19/98	PCT				
	WO 99/46281	09/16/99	PCT				
	WO 99/66041	12/23/99	PCT				
	WO 00/05364	02/03/00	PCT				
	WO 00/31235	06/02/00	PCT				ļ
	WO 00/32221	06/08/00	PCT				
	WO 00/37638	06/29/00	PCT				
	WO 00/53756	09/14/00	PCT				
	WO 00/53758	09/14/00	PCT				
	WO 00/58473	10/05/00	PCT				
	WO 00/70050	11/23/00	PCT				
	WO 00/73452	12/07/00	PCT				
	WO 01/09162	02/08/01	PCT				
	WO 01/51520	07/19/01	PCT				
	WO 03/018631	03/06/03	PCT		<u> </u>		

EXAMINER

DATE CONSIDERED

SERIAL NO. ATTY. DOCKET NO. U.S. DEPARTMENT OF COMMERCE **FORM PTO-1449** A116 CON 10/735,256 PATENT AND TRADEMARK OFFICE **APPLICANT** INFORMATION DISCLOSURE Stephen M. Strittmatter et al. (Conf. No. 9794) STATEMENT BY APPLICANT FILING DATE **GROUP** 1632 December 12, 2003 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	
	C.E. Bandtlow, et al., "NI-35/250/Nogo-A: A Neurite Growth Inhibitor Restricting Structural Plasticity and Regeneration of Nerve Fibers in the Adult Vertebrate CNS," Glia, 29(2), pp. 175-181 (2000).
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	Kobe and Kajava "The leucine-rich repeat as a protein recognition motif," <u>Curr. Opin. Structural Biol.</u> 11(6): 725-32 (2001).					
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